

Exhibit 8

Crown Castle
Wireless Attachment Invoices
2013 to 2018



Commonwealth Edison Company
 Three Lincoln Centre, 4th Floor
 Oakbrook Terrace, IL 60181
 Attn: Revenue/Receivables
 Tel 630-437-2214 Fax 630-437-2223

DATE: June 5, 2013
 INVOICE # 1082-1818-1818
 Customer PO:

Bill To:
 Crown Castle NG Central, Inc.
 Attn: SCN Operations
 2000 Corporate Dr.
 Cannonsburg, PA 15317

DESCRIPTION	AMOUNT
2012 Wireless Pole Attachments (60 attachments) 1-1-12 - 12-31-12	\$ [REDACTED]
2013 Wireless Pole Attachments (60 attachments) 1-1-13 - 12-31-13	[REDACTED]
Term - [REDACTED] SY - [REDACTED] Lease - [REDACTED] Contract - [REDACTED]	
Lisa + [REDACTED] 6/6/13	
TOTAL	\$ [REDACTED]

Expense

Make all checks payable to Commonwealth Edison Company

The above charges itemized represent fees for services upon ComEd facilities. Any questions concerning this price quote should be directed to Mark Layne at 630-437-2214 or mark.layne@comed.com. Remit to the address above.

PUBLIC VERSION

ComEd
Node Pole Attachments 1/13 - 12/13

Project	Type	Location	Quantity	Year permit issued	Billing amount	Amount	8% Chicago Tax	Total	System BU	Comments
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INVOICE

Commonwealth Edison Company
 Three Lincoln Centre, 4th Floor
 Oakbrook Terrace, IL 60181
 Attn: Revenue/Receivables
 Tel 630-437-2214 Fax 630-437-2223

DATE: February 13, 2014
INVOICE # 1082-1818-1818
Customer PO:

Bill To:

Crown Castle NG Central, Inc.
 Attn: SCN Operations
 2000 Corporate Dr.
 Cannonsburg, PA 15317

DESCRIPTION					AMOUNT
2014 Wireless Pole Attachments (attachments)					\$
2014 City of Chicago Transaction Taxes					

Make all checks payable to **Commonwealth Edison Company**

The above charges itemized represent fees for services upon ComEd facilities. Any questions concerning this price quote should be directed to Mark Layne at 630-437-2214 or mark.layne@comed.com. Remit to the address above.

THANK YOU FOR YOUR BUSINESS!

CCF 000210

L#62850

ComEd.
 An Exelon Company

 ComEd
 Real Estate & Facilities
 Three Lincoln Centre
 Oakbrook Terrace, IL 60181
 Attn: Revenue Transactions

Post Due

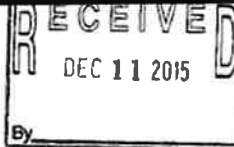
Page 1

INVOICE**Customer**
 CROWN CASTLE NG CENTRAL, INC.
 Attn: ACCOUNTS PAYABLE
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317-

Date: 06/17/2015

Due: 07/17/2015

Poles		Location	Rate		8.00% Chicago	Total
Sole	Joint		Sole	Joint		



The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2015. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.



An Exelon Company

PUBLIC VERSION
ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE

Customer

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

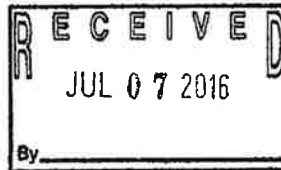
Date: 06/15/2016

Due: 07/15/2016

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		9328 CHICAGO				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1100 - 9328 - 9328



System
Unit



Attachments

System
Unit



Attachments

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2016. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000212

PUBLIC VERSION



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: 06/05/2017

Due: 07/05/2017

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		10181 CHICAGO				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1100 - 10181 - 10181

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2017. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCE 000213

PUBLIC VERSION



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: 06/05/2018

Due: 07/05/2018

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		11099 BEDFORD PARK				
		11100 BELLWOOD				
		11101 BERWYN				
		11102 BRIDGEVIEW				
		11103 BURBANK				
		11104 CHICAGO			9.00	
		11105 CICERO				
		11106 DES PLAINES				
		11107 ELMWOOD PARK				
		11108 EVERGREEN PARK				
		11109 FRANKLIN PARK				
		11110 LA GRANGE				
		11111 LINCOLNWOOD				
		11112 LYONS				
		11113 MAYWOOD				
		11114 MELROSE PARK				\$
		11115 MORTON GROVE				\$
		11116 NILES				\$
		11117 NORTH RIVERSIDE				\$
		11118 OAK LAWN				\$
		11119 OAK PARK				\$
		11120 PARK RIDGE				\$
		11121 RIVERSIDE				\$
		11122 SCHILLER PARK				\$
		11123 SKOKIE				\$
		11124 WESTERN SPRINGS				\$
Total						\$

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1100 - 11099 - 11124

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2018. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000214

Crown Castle
Wireline Attachment Invoices
2013 to 2018



An Exelon Company

ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: 06/04/2013**Due:** 07/04/2013

Poles		Location	Rate		8.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		7195 CHICAGO				
		7196 ELMHURST				
		7197 GLEN ELLYN				
		7198 LOMBARD				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1082 - 7195 - 7198

fiber pole attachments - VRT1016

Tenant -
Contract

Sy -
lease

Lisa [Signature]
6/4/13

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2013. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000216

PUBLIC VERSION



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: 08/28/2014**Due: 09/27/2014**

Poles		Location	Rate		8.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		7872 CHICAGO			8.00	
		7873 ELMHURST				
		7874 GLEN ELLYN				
		7875 LOMBARD				
		7876 MOUNT PROSPECT				
		7877 NORTHBROOK				
		Total				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1082 - 7872 - 7877

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2014. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCE 000217

PUBLIC VERSION



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: 06/15/2015**Due: 07/15/2015**

Poles		Location	Rate		9.00 % Chicago Tax	Total
Sole	Joint		Sole	Joint		
		8500 CHICAGO			9.00	
		8501 ELMHURST				
		8502 GLEN ELLYN				
		8503 LOMBARD				
		8504 MOUNT PROSPECT				
		8505 NORTHBROOK				
			Total			

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1082 - 8500 - 8505

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2015. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCE 000218

PUBLIC VERSION



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: 06/15/2016

Due: 07/15/2016

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		9204 CHICAGO			9.00	
		9205 ELMHURST				
		9206 GLEN ELLYN				
		9207 LOMBARD				
		9208 MOUNT PROSPECT				
		9209 NORTHBROOK				
		Total				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1082 - 9204 - 9209

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2016. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCE 000219



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

INVOICE**Customer**

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: 06/05/2017**Due: 07/05/2017**

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		10010 BERWYN			9.00	
		10011 CHICAGO				
		10012 ELMHURST				
		10013 GLEN ELLYN				
		10014 LOMBARD				
		10015 MOUNT PROSPECT				
		10016 NAPERVILLE				
		10017 NORTHBROOK				
		Total				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1082 - 10010 - 10017

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2017. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCE 000220

PUBLIC VERSION



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: / /

Due: / /

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		10887 BERWYN			9.00	
		10888 BROOKFIELD				
		10889 CHICAGO				
		10890 CICERO				
		10891 DES PLAINES				
		10892 DOWNERS GROVE				
		10893 ELMHURST				
		10894 GLEN ELLYN				
		10895 LOMBARD				
		10896 MCCOOK				
		10897 MELROSE PARK				
		10898 MOUNT PROSPECT				
		10899 NAPERVILLE				
		10900 NORTHBROOK				
		10901 SCHILLER PARK				
		10902 WILLOWBROOK				
		Total				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1082 - 10887 - 10902

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2018. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

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Wireline Attachment Invoices
2013 to 2018

ComED000000

PUBLIC VERSION

JUN 13 2013

June

ComEd.

An Exelon Company

ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

SUNESYS
Attn: ACCOUNTS PAYABLE
202 TITUS AVE
WARRINGTON, PA 18976-

Date: 06/04/2013

Due: 07/04/2013

Poles		Location	Rate		8.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		7118 ARLINGTON HEIGHTS			8.00	
		7119 BENSENVILLE				
		7120 CHICAGO				
		7121 CICERO				
		7122 ELK GROVE VILLAGE				
		7123 EVANSTON				
		7124 GLENVIEW				
		7125 ITASCA				
		7126 NORTHBROOK				
		7127 SKOKIE				
		7128 WAUKEGAN				
			Total			

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1075 - 7118 - 7128

DESCRIPTION
JOB #
CATEGORY
DIST. ACCT.
USE TAX

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2013. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000223

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ComEd.

An Exelon Company

ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

SUNESYS
Attn: ACCOUNTS PAYABLE
202 TITUS AVE
WARRINGTON, PA 18976-

Date: 02/14/2014

Due: 03/16/2014

Poles		Location	Rate		8.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		7650 ARLINGTON HEIGHTS			8.00	
		7651 BENSENVILLE				
		7652 CHICAGO				
		7653 CICERO				
		7654 ELK GROVE VILLAGE				
		7655 EVANSTON				
		7656 GLENVIEW				
		7657 ITASCA				
		7658 NORTHBROOK				
		7659 SKOKIE				
		7660 WAUKEGAN				
		WAS	Total			

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1075 - 7650 - 7660

DESCRIPTION
JOB #
CATEGORY
DIST. ACCT.
USE TAX

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2014. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000224

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PUBLIC VERSION

June

ComEd.

An Exelon Company

ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

JUN 26 2015

Page 1

INVOICE**Customer**

SUNESYS
Attn: ACCOUNTS PAYABLE
202 TITUS AVE
WARRINGTON, PA 18976-

Date: 06/15/2015

Due: 07/15/2015

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		8419 ARLINGTON HEIGHTS				
		8420 BENSENVILLE				
		8421 CHICAGO			9.00	
		8422 CICERO				
		8423 ELK GROVE VILLAGE				
		8424 EVANSTON				
		8425 GLENVIEW				
		8426 ITASCA				
		8427 NORTHBROOK				
		8428 SKOKIE				
		8429 WAUKEGAN				
Total						

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1075 - 8419 - 8429

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now

DESCRIPTION
JOB #
CATEGORY
DIST. ACC
USE TAX

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2015. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000225

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ComEd.

An Exelon Company

PUBLIC VERSION

ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

SUNESYS
Attn: ACCOUNTS PAYABLE
202 TITUS AVE
WARRINGTON, PA 18976-

JUN 20 2016

Date: 06/15/2016

Due: 07/15/2016

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		9123 ARLINGTON HEIGHTS			9.00	
		9124 BENSENVILLE				
		9125 CHICAGO				
		9126 CICERO				
		9127 ELK GROVE VILLAGE				
		9128 EVANSTON				
		9129 GLENVIEW				
		9130 ITASCA				
		9131 NORTHBROOK				
		9132 SKOKIE				
		9133 WAUKEGAN				
			Total			

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1075 - 9123 - 9133

DESCRIPTION
JOB#
CATEGORY
DIST. ACCT
USE TAX

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2016. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000226

PUBLIC VERSION



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

SUNESYS
Attn: ACCOUNTS PAYABLE
202 TITUS AVE
WARRINGTON, PA 18976-

Date: 06/05/2017

Due: 07/05/2017

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		9927 ARLINGTON HEIGHTS			9.00	
		9928 BENSENVILLE				
		9929 CHICAGO				
		9930 CICERO				
		9931 ELK GROVE VILLAGE				
		9932 EVANSTON				
		9933 GLENVIEW				
		9934 ITASCA				
		9935 NORTHBROOK				
		9936 SKOKIE				
		9937 WAUKEGAN				
		Total				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1075 - 9927 - 9937

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2017. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCE 000227



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

INVOICE**Customer**

SUNESYS
Attn: ACCOUNTS PAYABLE
202 TITUS AVE
WARRINGTON, PA 18976-

Date: / /

Due: / /

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		10808 ARLINGTON HEIGHTS			9.00	
		10809 BENSENVILLE				
		10810 CHICAGO				
		10811 CICERO				
		10812 DES PLAINES				
		10813 ELK GROVE VILLAGE				
		10814 EVANSTON				
		10815 GLENVIEW				
		10816 ITASCA				
		10817 NORTHBROOK				
		10818 SKOKIE				
		10819 WAUKEGAN				
		Total				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1075 - 10808 - 10819

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2018. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCE 000228

Lighttower
Wireline Attachment Invoices
2013 to 2018

PUBLIC VERSION



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE**Customer**

LIGHTOWER FIBER NETWORKS
Attn: ACCOUNTS PAYABLE
80 CENTRAL STREET
ATTN: ACCOUNTS PAYABLE
BOXBOROUGH, MA 01719-

Date: 06/15/2016**Due: 07/15/2016**

Poles		Location	Rate		9.00 % Chicago Tax	Total
Sole	Joint		Sole	Joint		
		9219 LISLE				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1095 - 9219 - 9219

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2016. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCE 000230



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

INVOICE

Customer

LIGHTOWER FIBER NETWORKS
Attn: ACCOUNTS PAYABLE
80 CENTRAL STREET
ATTN: ACCOUNTS PAYABLE
BOXBOROUGH, MA 01719-

Date: 06/05/2017

Due: 07/05/2017

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		10023 LISLE				
		Total				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1095 - 10023 - 10023

LIN 09 2017

The charges itemized above represent attachment rental fees for permitted wireline attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2017. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000231

JUN 11 2018

INVOICE

Customer

LIGHTOWER FIBER NETWORKS
Attn: ACCOUNTS PAYABLE
80 CENTRAL STREET
ATTN: ACCOUNTS PAYABLE
BOXBOROUGH, MA 01719-

Date: 06/05/2018

Due: 07/05/2018

Poles		Location	Rate		9.00%	Total
Sole	Joint		Sole	Joint	Chicago Tax	
		10910 LISLE				
		Total *****				

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1095 - 10910 - 10910

CCF, 000232

Exhibit 9



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317

September 20, 2018

VIA OVERNIGHT DELIVERY

Joe Gilchrist
Commonwealth Edison
Real Estate & Facilities
Three Lincoln Centre, 4th Floor
Oakbrook Terrace, IL 60181

Dear Mr. Gilchrist,

Crown Castle is in receipt of Invoice No. 1100 - 11099 - 11124, originally issued on June 5, 2018 and subsequently revised on July 24, 2018 and August 29, 2018. The invoice, attached hereto as Exhibit A, represents 2018 annual wireless attachment rentals for [REDACTED] ComEd solely-owned poles and [REDACTED] jointly-owned poles. The annual wireless attachment rate applied to both ComEd solely and jointly-owned poles pursuant to the invoice is [REDACTED].

On May 17, 2017, Crown Castle initiated with ComEd discussions regarding renegotiation of the wireless attachment rate. Since initiating negotiations regarding the annual wireless attachment rate, Crown Castle's position has been that the rate charged by ComEd is unjust and unreasonable and in excess of the maximum regulated rental rate permitted.

Notwithstanding protracted high-level discussions regarding the impropriety of the attachment rate and significant efforts on the part of Crown Castle to secure a reasonable rate, ComEd and Crown Castle have not to date come to an agreement regarding the rate.

In light of these circumstances, Crown Castle hereby submits to ComEd payment for [REDACTED] attachments for 2018 at a rate of [REDACTED] per wireless attachment. As with all of its prior payments of the unlawful wireless rate, Crown Castle tenders such payment without waiving and while fully reserving its rights to formally challenge and recoup any amounts held unreasonable or unlawful by a governing body duly authorized to render such a decision.

Please contact me with any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Brian Cabe', written in a cursive style.

Brian Cabe
VP General Manager
(724) 416-9902
brian.cabe@crowncastle.com

Enclosures: Exhibit A, Invoice for 2018 Wireless Attachment Rentals
Check for 2018 Wireless Attachment Rentals

PUBLIC VERSION
EXHIBIT A



ComEd
Real Estate & Facilities
Three Lincoln Centre
Oakbrook Terrace, IL 60181
Attn: Revenue Transactions

Page 1

INVOICE

Customer

CROWN CASTLE NG CENTRAL, INC.
Attn: ACCOUNTS PAYABLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317-

Date: 06/05/2018

Due: 07/05/2018

Poles		Location	Rate		9.00% Chicago Tax	Total
Sole	Joint		Sole	Joint		
		11099 BEDFORD PARK				
		11100 BELLWOOD				
		11101 BERWYN				
		11102 BRIDGEVIEW				
		11103 BURBANK				
		11104 CHICAGO			9.00	
		11105 CICERO				
		11106 DES PLAINES				
		11107 ELMWOOD PARK				
		11108 EVERGREEN PARK				
		11109 FRANKLIN PARK				
		11110 LA GRANGE				
		11111 LINCOLNWOOD				
		11112 LYONS				
		11113 MAYWOOD				
		11114 MELROSE PARK				
		11115 MORTON GROVE				
		11116 NILES				
		11117 NORTH RIVERSIDE				
		11118 OAK LAWN				
		11119 OAK PARK				
		11120 PARK RIDGE				
		11121 RIVERSIDE				
		11122 SCHILLER PARK				
		11123 SKOKIE				
		11124 WESTERN SPRINGS				
			Total			

Payment must be received within thirty (30) days after the date of this invoice. If payment is not received within such thirty (30) day period, interest at the rate of 18% per annum will be applied to the entire unpaid balance.

Invoice No. 1100 - 11099 - 11124

The charges itemized above represent attachment rental fees for permitted ~~Wireless~~ attachments to ComEd facilities (whether solely or jointly owned) for calendar year 2018. Any questions concerning this invoice should be directed to (630) 437-2214. Remit payment to the address given above. Please include this invoice number on your check.

CCF 000235

Exhibit 10

Whitfield, Maureen

From: Gilchrist, Joe T:(ComEd) <joe.gilchrist@ComEd.com>
Sent: Friday, September 28, 2018 5:26 PM
To: Whitfield, Maureen
Subject: RE: Info request

I think conceptually you are right that the term equivalent poles is due to joint ownership. However, I am not certain that the ratios used in your example are correct. Also, I've been informed that the ROR can be found at the ICC website <https://www.icc.illinois.gov/publicutility/>

From: Whitfield, Maureen <Maureen.Whitfield@crowncastle.com>
Sent: Friday, September 28, 2018 5:45 AM
To: Gilchrist, Joe T:(ComEd) <joe.gilchrist@ComEd.com>
Subject: RE: Info request

Thank you Joe – am I correct in assuming that you're describing the count as "pole equivalent" since you have a 50/50 ownership with ATT so the count provided represents the "equivalent" quantity of poles you would completely own?

Meaning, sole poles would count 1 for 1, while jointly owned poles would be counted at a 2 for 1 ratio?

Thank you

MAUREEN A. WHITFIELD
Manager, Utility Relations
Small Cell Solutions
T: (724) 416-2791 | M: (724) 914-7818

CROWN CASTLE
2000 Corporate Drive, Canonsburg, PA 15317
CrownCastle.com

From: Gilchrist, Joe T:(ComEd) <joe.gilchrist@ComEd.com>
Sent: Thursday, September 27, 2018 8:01 PM
To: Whitfield, Maureen <Maureen.Whitfield@crowncastle.com>
Subject: RE: Info request

Equivalent number of poles = 1,098,478. Still working on the ROR.

From: Whitfield, Maureen <Maureen.Whitfield@crowncastle.com>
Sent: Monday, September 24, 2018 6:25 PM
To: Gilchrist, Joe T:(ComEd) <joe.gilchrist@ComEd.com>
Subject: Re: Info request

Pole count and regulated rate of return

Thanks!

PUBLIC VERSION

Maureen Whitfield
Utility Relations Manager-Central Region
Crown Castle
Desk: 724-416-2791
Mobile: 724-914-7818

On Sep 24, 2018, at 7:09 PM, Gilchrist, Joe T:(ComEd) <joe.gilchrist@ComEd.com> wrote:

Maureen,
Most of the information is available in FERC Form 1. What information is Crown Castle looking for? Pole count?
Thanks,
Joe

<https://www.ferc.gov/docs-filing/forms/form-1/data.asp?csrt=3373560820085584713>

From: Whitfield, Maureen <Maureen.Whitfield@crowncastle.com>
Sent: Friday, September 21, 2018 1:57 PM
To: Gilchrist, Joe T:(ComEd) <joe.gilchrist@ComEd.com>
Subject: Re: Info request

Joe

Although Crown Castle does not agree with ComEd's assertion regarding jurisdiction, Section 11.1.1 of the PAA provides that for fiber attachments the rate will be "calculated in accordance with the Federal Communications Commission's rate formula applicable to attachments of telecommunications providers." Accordingly, the information sought is relevant for Crown Castle to evaluate ComEd's rates.

Please send over the requested information forthwith.

Thank you-

Maureen Whitfield
Utility Relations Manager-Central Region
Crown Castle
Desk: 724-416-2791
Mobile: 724-914-7818

On Sep 20, 2018, at 7:43 PM, Gilchrist, Joe T:(ComEd) <joe.gilchrist@ComEd.com> wrote:

Hello Maureen,

As you know, Illinois is not an FCC state for pole attachments. ComEd's pole attachment charges are specified in the master agreement; please refer to the master agreement.

Thanks,
Joe

From: Whitfield, Maureen <Maureen.Whitfield@crowncastle.com>
Sent: Wednesday, September 19, 2018 3:56 PM

PUBLIC VERSION

To: Gilchrist, Joe T:(ComEd) <joe.gilchrist@ComEd.com>

Subject: [EXTERNAL] Info request

Hi Joe

In order to compare ComEd's pole attachment rates to the maximum permitted rates allowed by Federal Communications Commission (FCC) rules, please provide all information necessary to apply the FCC rate formulas in the CFR, including ComEd's pole count and prescribed rate of return. Additionally, please provide any calculations of the annual pole attachment rate made by ComEd. Please provide this information as soon as possible in order to assist with this verification.

Thank you!

Maureen Whitfield
Utility Relations Manager-Central Region
Crown Castle
Desk: 724-416-2791
Mobile: 724-914-7818

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Exhibit 11



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317

October 25, 2018

VIA CERTIFIED MAIL

Mr. Vito Martino
VP Distribution Operations – Chicago Region
Commonwealth Edison
7601 S. Lawndale
Chicago, IL 60652

Re: Request for Executive Level Negotiations of Pole Attachment Dispute

Dear Mr. Martino,

As set forth below, this letter constitutes Crown Castle NG Central LLC's ("Crown Castle") request for a final executive level negotiation to seek to resolve ongoing disputes between Crown Castle and ComEd regarding ComEd's pole attachment rates, terms, and conditions in Illinois.

Specifically, Crown Castle seeks to have an in-person meeting to be attended by representatives of ComEd who have sufficient authority to make binding decisions on behalf of the company regarding the subject matter of the following issues regarding Crown Castle's attachment to ComEd-owned poles in Illinois.

Attachment Rates for "Wireless" Equipment – ComEd charges Crown Castle [REDACTED] per pole for wireless equipment attachment. That rate is unjust and unreasonable in violation of 47 U.S.C. § 224. Pursuant to the formula adopted by the Federal Communications Commission ("FCC"), the maximum annual rate that ComEd may charge per foot of usable space occupied is \$12.57.¹ Wireless equipment is protected by Section 224 and the FCC's regulations. The [REDACTED] annual charge exceeds by over [REDACTED] times the maximum lawful per foot rate and is clearly unrelated to ComEd's costs. ComEd has been overcharging Crown Castle by similar amounts for years, going back to at least 2010.

Crown Castle demands that ComEd amend its wireless attachment rate for wireless attachments. For purposes of this discussion, Crown Castle will agree that its wireless attachments to ComEd poles in Illinois occupy 6 feet of useable space (including safety clearance). Accordingly, the maximum annual

¹ The FCC's Rules govern Crown Castle's attachments to ComEd poles in Illinois because even though the Illinois Commerce Commission has "certified" that it regulates pole attachments, that certification and the ICC's rules apply only to attachments by cable television operators. The ICC has not adopted rules governing attachments by telecommunications providers, and accordingly, jurisdiction over such attachments remains with the FCC. See e.g., *Implementation of Section 703(e) of the Telecommunications Act of 1996*, Report and Order, CS Docket No. 97-151, 13 FCC Rcd 6777, 6781 n. 20 (Feb. 6, 1998); see also *Implementation of Section 703(e) of the Telecommunications Act of 1996*, Notice of Proposed Rulemaking, CS Docket No. 97-151, 12 FCC Rcd 11725, 11727 n. 13 (Aug. 12, 1997). The \$12.57 calculation is based on the pole "equivalent" count provided by ComEd, the rate of return found in the ICC website, and ComEd's FERC Form 1 for the year-end 2016, and applying the Commission's telecom formula and FCC presumptions for urban attachments.

per pole fee that ComEd can charge is [REDACTED] times 6 or [REDACTED] per pole. Crown Castle also demands that ComEd agree to refund Crown Castle [REDACTED] for overpayments going back to 2010 (based on a per pole regulated rate of [REDACTED]).

Access to and Payment for “Red Tagged” Poles – As you know, ComEd has a policy pursuant to which it refuses to allow Crown Castle to attach (fiber or wireless) to ComEd poles that have been “red tagged” by ComEd unless and until Crown Castle first pays to have the red tagged poles replaced. Although ComEd has never fully explained or justified the basis for red tagging certain poles, it is clear, at a minimum, that the red tagging status is based on pre-existing conditions that are unrelated to Crown Castle’s proposed attachment. It is unjust and unreasonable for ComEd to require Crown Castle to pay to correct or fix conditions that are not directly caused by its proposed attachment. The FCC has repeatedly held that pole owners cannot impose the cost of correcting issues that were not caused by the new attaching party. Indeed, the Commission has clarified its long held position that “new attachers are not responsible for the costs associated with bringing poles . . . into compliance with current safety and pole owner construction standards to the extent such poles . . . were out of compliance prior to the new attachment.” *Accelerating Wireline Broadband Deployment by Removing Barriers to Infrastructure Investment*, Third Report and Order and Declaratory Ruling, FCC 18-111, WC Docket No. 17-84; WT Docket No. 17-79 ¶ 121 (Aug. 3, 2018) (emphasis added) (“OTMR Order”); *see also Knology, Inc. v. Georgia Power Co.*, Order, FCC 03-292, 18 FCC Rcd. 24615, ¶ 37 (Nov. 14, 2003) (ordering an investor-owned utility to refund an attacher for “costs of any change-outs necessitated by the safety violations of other attachers. . .”). Indeed, in the OTMR Order, the Commission further explained:

Although utilities have sometimes held new attachers responsible for the costs of correcting preexisting violations, ***this practice is inconsistent with our long-standing principle that a new attacher is responsible only for actual costs incurred to accommodate its attachment.*** The new attachment may precipitate correction of the preexisting violation, but it is the violation itself that causes the costs, not the new attacher. Holding the new attacher liable for preexisting violations unfairly penalizes the new attacher for problems it did not cause, thereby deterring deployment, and provides incentives for attachers to complete make-ready work irresponsibly and count on later attachers to fix the problem. This is true whether the make-ready work that corrects these preexisting violations is simple or complex.

We also clarify that utilities may not deny new attachers access to the pole solely based on safety concerns arising from a pre-existing violation . . . Simply denying new attachers access prevents broadband deployment and does nothing to correct the safety issue. We also clarify that a utility cannot delay completion of make-ready while the utility attempts to identify or collect from the party who should pay for correction of the preexisting violation.

OTMR Order at ¶¶ 121-122 (emphasis added).

Accordingly, ComEd is prohibited from requiring Crown Castle to pay to replace or correct conditions on red tagged poles. ComEd must provide Crown Castle access to all poles, including red tagged poles, pursuant to the timeframes required by the FCC's Rules. The cost of any make-ready required to correct pre-existing conditions on red tagged poles is the responsibility of ComEd and/or the party that caused the conditions. Crown Castle is not liable for the cost of correcting such conditions.

Crown Castle demands that ComEd immediately begin processing Crown Castle's pending and future pole attachment applications for red tagged poles pursuant to FCC timelines and without imposing the cost of correcting red tagged poles on Crown Castle. Crown Castle also demands that ComEd agree to refund Crown Castle \$5,675,109.65 for red tag pole replacement costs paid through early September along with any additional accumulated charges paid thereafter until such charges cease as a condition of attachment.

Attachment Rate For Fiber Optic Lines – As noted above, the maximum annual per foot per pole rate ComEd can charge for telecommunications equipment in 2018 based on the FCC's formula is \$12.57 (that calculation is based on the pole "equivalent" count provided by ComEd, the rate of return found in the ICC website, and ComEd's FERC Form 1 for the year-end 2016, and applying the Commission's telecom formula and FCC presumptions for urban attachments). For Crown Castle, ComEd's 2018 invoices sought [REDACTED] per solely owned pole and [REDACTED] per jointly owned pole. Crown Castle also now owns Sunesys and Lighttower. For Sunesys, ComEd's 2018 invoices sought [REDACTED] per pole regardless of pole ownership. For Lighttower, ComEd's 2016 invoice sought [REDACTED] per pole regardless of ownership. Those annual attachment rates are unjust and unreasonable under Section 224, the FCC's regulations, and Section 11.1.1 of the Pole Attachment Agreement between Crown Castle and ComEd (which provides that for fiber attachments the rate will be calculated in accordance with the Federal Communications Commission's rate formula applicable to attachments of telecommunications providers"). Accordingly, Crown Castle demands that ComEd adjust its rate for fiber attachments to \$12.57 per pole for 2018 and agree to refund [REDACTED] for overpayments going back to 2010 or such year in which Crown Castle acquired Sunesys and Lighttower.

Pursuant to Rule 1.1404(k) of the FCC's Rules, Crown Castle seeks to have the requested executive level meeting before November 6, 2018. Please respond to this letter and provide potential dates when ComEd authorized executives can be available.

Sincerely,



Brian Cabe
VP General Manager
(724) 416-9902
brian.cabe@crowncastle.com

From: Whitfield, Maureen [mailto:Maureen.Whitfield@crowncastle.com]
Sent: Tuesday, November 06, 2018 1:56 PM
To: Gilchrist, Joe T:(ComEd); vito.martino@ComEd.com; mark.falcone@ComEd.com
Cc: Koukola, Kimberly A:(ComEd); Cabe, Brian; Hussey, Rebecca; Millar, Robert; Thompson, Scott
Subject: Executive Level Meeting Request - Additional Delivery Methods

[EXTERNAL]

Hello,

On October 25, 2018, Crown Castle posted for delivery to Vito Martino, via USPS Certified Mail, the attached correspondence requesting an executive level meeting between ComEd and Crown Castle. The Certified Mail tracking number associated with the correspondence is 70173040000109284903.

The tracking feature of www.usps.com reveals that delivery was attempted on October 31, 2018; however, no signature was procured and, as such, a notice was left at 7601 S. Lawndale, Chicago, IL 60652, designating where the Certified Mail can be picked up. It is unclear whether the correspondence has been picked up by a ComEd representative at this point. Please see the attached tracking summary, printed this morning via USPS, stating the status of the Certified Mail.

In order to avoid additional failed delivery attempts, Crown Castle is hereby emailing a copy of the correspondence and is also forwarding a written copy of the correspondence via overnight courier today for delivery tomorrow, November 7, 2018.

Please kindly acknowledge the receipt of this email. Crown Castle respectfully requests a response by Friday, November 9, 2018 as to whether ComEd intends to engage in an executive level meeting on the issues detailed in the attached correspondence.

Thank you in advance for your cooperation.

Respectfully,

MAUREEN A. WHITFIELD
Manager, Utility Relations
Small Cell Solutions
T: (724) 416-2791 | M: (724) 914-7818

CROWN CASTLE
2000 Corporate Drive, Canonsburg, PA 15317

11/20/18

Mr. Brian Cabe
VP General Manager
Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317

Dear Mr. Cabe:

This responds to your letter to Mr. Martino dated October 25, 2018, in which Crown Castle requests an executive-level meeting to resolve pole attachment disputes that have arisen between our companies. As you might know, the letter was incorrectly addressed and re-sent, so that we received it on November 7, 2018.

I look forward to meeting with you and I am available the following dates in our Oakbrook Terrace, Illinois office at 2 Lincoln Centre, Oakbrook Terrace, Illinois: December 4 (morning), December 5 (morning) and December 6 (afternoon).

Your letter alleges violations of Federal Communications Commission ("FCC") regulations, even though the regulation of pole attachments has rested exclusively with the Illinois Commerce Commission ("ICC") for many years. In 1978, the ICC certified to the FCC that it regulates pole attachments, thus preempting the entire field of pole attachments in accordance with the federal Pole Attachment Act. The fact that the ICC's "reverse preemption" grants it exclusive jurisdiction over pole attachments is evidenced by the 1996 Telecommunications Act and subsequent FCC rulings, none of which required states to re-certify following the expansion of FCC jurisdiction in "FCC States," and by the fact that not a single state did re-certify following the 1996 Act. Further, as recently as a few months ago, the Commission was actively engaging both parties on pole attachment issues raised by Crown.

ComEd's attachment rates were negotiated with Crown in good faith under the long-established policy of the ICC, and reflect fair rates established by arm's length negotiations. Although the rates exceed what Crown speculates that FCC rates might be, the FCC has never calculated a wireless attachment rate and the ICC has not adopted FCC guidelines in any event.

As for Crown's claims about "red-tagged" poles, the ICC has never made a ruling about such poles, and ComEd's practice is commonplace in the industry.

Commonwealth Edison Company
Two Lincoln Centre
Oakbrook Terrace, IL 60181

www.comed.com

An Exelon Company

Even assuming FCC jurisdiction, your October 25 letter mistakenly interprets recent FCC rulings. The FCC's August 3, 2018 Pole Attachment Order restated a "long-standing principle" that attachers need not pay to correct pre-existing violations and clarified that utilities cannot deny access "solely" based on pre-existing safety concerns. But the FCC had never before addressed the issue of "red-tagged" poles, so its "red-tagged" pole ruling is brand new. Even if FCC rules were relevant in Illinois, the FCC's new "clarification" on this issue would not apply anyway, since ComEd denies access to red-tagged poles not "solely" for safety reasons, but instead for both safety and capacity reasons. The FCC also needs to square its August 3 rulings about pre-existing violations with the Pole Attachment Act and Section 1.1408(b) of its own rules, since its August 3 "clarifications" are at odds with both, as explained in the reconsideration petition filed last month by the Coalition of Concerned Utilities.

Finally, ComEd is not sure whether Crown is providing any telecommunications service at all on each and every one (or indeed any) of the ComEd's poles to which Crown is attached. As we all know, construction companies do not have pole attachment rights.

I look forward to addressing Crown Castle's concerns during our meeting and hope to resolve this matter to our mutual satisfaction. Please let me know which dates work for you and if anyone else from Crown will be joining you.. I do not think legal counsel is needed for this meeting, but please let me know if Crown disagrees so I may plan accordingly.

Sincerely,



Mark A. Falcone

Exhibit 12

PUBLIC VERSION

Crown Castle - Wireless Node Attachments

ComEd Invoices						Attachment Fees Permitted Under FCC Regulations					
Year	Node Rate Sole [1]	Node Rate Joint	# of Attach Sole [2]	# of Attach Joint	Paid Amount (Pre-Tax) [3]	FCC Rate Sole [4]	FCC Rate Joint [5]	FCC Fees Sole	FCC Fees Joint	Total Fees Calculated Using FCC Formula	Refund Due
2013	See FN 1	See FN 1	48	12		\$70.56	\$35.28	\$3,386.88	\$423.36	\$3,810.24	
2014	See FN 1	See FN 1	48	12		\$66.96	\$33.48	\$3,214.08	\$401.76	\$3,615.84	
2015			48	19		\$70.74	\$35.37	\$3,395.52	\$672.03	\$4,067.55	
2016			48	19		\$73.38	\$36.69	\$3,522.24	\$687.11	\$4,219.35	
2017			268	22		\$74.58	\$37.29	\$19,987.44	\$820.38	\$20,807.82	
2018			276	300		\$85.02	\$42.51	\$23,465.52	\$12,753.00	\$36,218.52	
										\$72,739.32	

Crown Castle - Fiber Attachments

ComEd Invoices						Attachment Fees Permitted Under FCC Regulations					
Year	Fiber Rate Sole	Fiber Rate Joint	# of Attach Sole	# of Attach Joint	Paid Amount (Pre-Tax) [3]	FCC Rate Sole	FCC Rate Joint [5]	FCC Fees Sole	FCC Fees Joint	Total Fees Calculated Using FCC Formula	Refund Due
2013			0	56		\$11.76	\$5.88	\$0.00	\$329.28	\$329.28	
2014			0	69		\$11.16	\$5.58	\$0.00	\$385.02	\$385.02	
2015			0	69		\$11.79	\$5.90	\$0.00	\$406.76	\$406.76	
2016			0	69		\$12.23	\$6.12	\$0.00	\$421.94	\$421.94	
2017			1,280	1,452		\$12.43	\$6.22	\$15,910.40	\$9,024.18	\$24,934.58	
2018			2,697	3,690		\$14.17	\$7.09	\$38,216.49	\$26,143.65	\$64,360.14	
											\$90,837.71

Sunesis - Fiber Attachments

ComEd Invoices						Attachment Fees Permitted Under FCC Regulations					
Year	Fiber Rate Sole	Fiber Rate Joint	# of Attach Sole	# of Attach Joint	Paid Amount (Pre-Tax) [3]	FCC Rate Sole	FCC Rate Joint [5]	FCC Fees Sole	FCC Fees Joint	Total Fees Calculated Using FCC Formula	Refund Due
2013			1,681	592		\$11.76	\$5.88	\$19,768.56	\$3,480.96	\$23,249.52	
2014			1,681	592		\$11.16	\$5.58	\$18,759.96	\$3,303.36	\$22,063.32	
2015			1,794	674		\$11.79	\$5.90	\$21,151.26	\$3,973.23	\$25,124.49	
2016			1,794	674		\$12.23	\$6.12	\$21,940.62	\$4,121.51	\$26,062.13	
2017			1,794	674		\$12.43	\$6.22	\$22,299.42	\$4,188.91	\$26,488.33	
2018			1,825	674		\$14.17	\$7.09	\$25,860.25	\$4,775.29	\$30,635.54	
											\$153,623.33

Lighttower - Fiber Attachments

ComEd Invoices						Attachment Fees Permitted Under FCC Regulations					
Year	Fiber Rate Sole	Fiber Rate Joint	# of Attach Sole	# of Attach Joint	Paid Amount (Pre-Tax)	FCC Rate Sole	FCC Rate Joint [5]	FCC Fees Sole	FCC Fees Joint	Total Fees Calculated Using FCC Formula	Refund Due
2013			0	0		\$11.76	\$5.88	\$0.00	\$0.00	\$0.00	\$0.00
2014			0	0		\$11.16	\$5.58	\$0.00	\$0.00	\$0.00	\$0.00
2015			0	0		\$11.79	\$5.90	\$0.00	\$0.00	\$0.00	\$0.00
2016			33	23		\$12.23	\$6.12	\$403.59	\$140.65	\$544.24	
2017			33	23		\$12.43	\$6.22	\$410.19	\$142.95	\$553.14	
2018			33	23		\$14.17	\$7.09	\$467.61	\$162.96	\$630.57	
											\$1,727.94

Footnotes

- [1] In 2013, ComEd charged Crown Castle wireless node attachment rates that ranged from [REDACTED] to [REDACTED] depending on the date of attachment.
- [2] In 2014, ComEd imposed wireless node attachment rates that ranged from [REDACTED] to [REDACTED] depending on the date of attachment.
- [3] The 2013 and 2014 invoices for wireless node attachments do not distinguish between solely and jointly owned pole counts. Therefore, Crown Castle estimates the number of solely and jointly owned poles in 2013 and 2014 based on detail provided in the 2015 invoice for wireless node attachments.
- [4] From 2013 to 2014, attachments in City of Chicago were subject to an 8% lease transaction tax. From 2015 to 2018, attachments in Chicago were subject to a 9% lease transaction tax. Therefore, the paid invoice amounts were calculated on a pre-tax basis.
- [5] Assumes 6 feet of space used for wireless node attachments.
- [6] Assumes a 50% ownership interest in jointly owned poles.

Wireless Refund
Fiber Refund
Total Refund